

Form PTO-1449 *RECEIVED
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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE*

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

Application Number	10/693,480
Filing Date	October 23, 2003
First Named Inventor	Silviu Itescu
Art Unit	1647
Examiner Name	B. Bunner
Attorney Docket No.	66602-B/JPW/BJA

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
<i>BB</i>		5,599,703 A	02-04-1997	Davis et al.
<i>BB</i>		2005-0233992 A1	10-20-2005	Itescu
<i>BB</i>		2006-0051334	03-2006	Kornowski
<i>BB</i>		2006-0057722	03-2006	Kornowski
<i>BB</i>		2006-0111290	05-25-2006	Itescu

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>BB</i>		Itescu et al. (2003) "Myocardial neovascularization by adult bone marrow-derived angioblasts: strategies for improvement of cardiomyocyte function" Heart Failure Rev 8: 253-258	
<i>BB</i>		Itescu et al. (2003) "New directions in strategies using cell therapy for heart disease" J Mol Med 81: 288-296	
<i>BB</i>		Noishiki et al. (1999) "Angiogenic growth factor release system for in vivo tissue engineering: a trial of bone marrow transplantation into ischemic myocardium" J Artif Organs 2: 85-91	
<i>BB</i>		Orlic et al. (2001) "Mobilized bone marrow cells repair the infarcted heart, improving function and survival" Proc Natl Acad Aci USA 98(18):10344-10349	
<i>BB</i>		Yin et al. (1997) "AC 133, A novel marker for human hematopoietic stem and progenitor cells" Blood 90(12):5002-5012	
<i>BB</i>		Supplementary Partial European Search Report issued on October 25, 2004 in connection with E.P. Application No. 01942041.3	
<i>BB</i>		Lee et al. (1991) J. Biol. Chem. 266(24) 16188-16192	

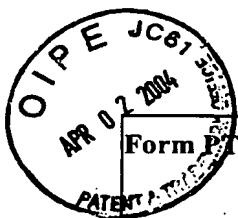
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SIGNATURE*Bridget E. Bunner*

DATE CONSIDERED

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Applicant: Silviu Itescu
Serial No.: 10/693,480
Filed: October 23, 2003
Exhibit A



Form PTO-1449

 U.S. Department of Commerce
 Patent and Trademark Office

 Atty. Docket No.
 0575/66602-B
 /JPW/BJA

 Serial No.
 10/693,480

 INFORMATION DISCLOSURE CITATION
 (Use several sheets if necessary)

 Applicant:
 Silviu Itescu

 Filing Date:
 October 23, 2003

 Group Art Unit
 1647

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
/BEB/	WO 0 2 3 6 0 7 8	10/5/02	PCT				
/BEB/	WO 03 0 4 7 6 1 6	7/12/03	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/BEB/	U.S. Application Publication No. US20030054973, Piero, March 20, 2003
	U.S. Application Publication No. US20020107195, Gupta, August 8, 2002
	Kajstura, Jan. et al. (1998) Myocyte proliferation in end-stage cardiac failure in humans, <i>Proc. Natl. Acad. Sci. USA</i> 95: 8801-8805
	Kalka, Christoph et al. (2000) Transplantation of ex vivo expanded endothelial progenitor cells for therapeutic neovascularization, <i>PNAS</i> 97: 3422-3427
	Kocher, A.A. et al. (2001) Neovascularization of ischemic myocardium by human bone-marrow-derived angioblasts prevents cardiomyocyte apoptosis, reduces remodeling and improves cardiac function, <i>Nature Medicine</i> 7: 430-436
	Beltrami, Antonio P. et al. (2001) Evidence That Human Cardiac Myocytes Divide after Myocardial Infarction, <i>The New England Journal of Medicine</i> 344: 1750-1757
	Asahara, Takayuki et al. (1999) VEGF contributes to postnatal neovascularization by mobilizing bone marrow-derived endothelial progenitor cells, <i>EMBO Journal</i> 18: 3964-3972
	Kawamoto, Atsuhiko et al. (2001) Therapeutic Potential of Ex Vivo Expanded Endothelial Progenitor Cells for Myocardial Ischemia, <i>Circulation</i> 103: 634-637
	Murohara, Toyoaki et al. (2000) Transplanted cord blood-derived endothelial precursor cells augment postnatal neovascularization, <i>The Journal of Clinical Investigation</i> 105: 1527-1536
	Callard, Robin E. et al. (1994) The Cytokine FactsBook, Academic Press
/BEB/	U.S. 2003/0199464 A1, Itescu, published October 23, 2003.

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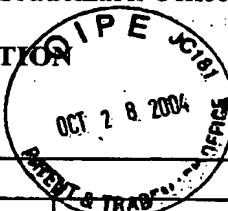
/Bridget E. Bunner/

DATE CONSIDERED

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Patent and Trademark OfficeAtty. Docket No.
0575/66602-B
JPW/BJASerial No.
10/693,480INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)Applicant:
Silviu ItescuFiling Date:
October 23, 2004Group Art Unit
1647

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
/BEB/	5 9 8 0 8 8 7	11.9.99	Isner			
	5 5 5 9 7 0 3	2.97	Davis et al.			
/BEB/	5 8 8 0 0 9 0	3.99	Hammond et al.			
/BEB/	5 0 6 1 6 2 0	10.29.91	Tsukamoto et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
/BEB/	WO 9 9 3 7 7 5 1	11.99					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/BEB/	U.S. Patent Application Publication No. 2004/0131585, published July 8, 2004
	International Search Report issued October 18, 2001 in connection with PCT/US01/18399
	European Search Report issued April 26, 2004 in connection with E.P. 01942041
	International Search Report issued in connection with PCT/US03/12678, filed April 23, 2002
	Futamatsu, H. et al. (2003), <i>Cardiovascular Research</i> , 59(1):95-105
	Stenhoff, J. et al. (2004), <i>Biochem. Biophys. Res. Comm.</i> , 319(3):871-878
	Gupta, S. et al. (2002), <i>Biochim. Biophys. Acta</i> , 1589(3):247-260
	Placentini, L. et al. (2000), <i>J. Mol. Cell. Cardiol.</i> , 32(4):565-567
	Okuno et al. (2000), <i>Lab. Invest.</i> , 80(3):433-440
	Feucht, M. (1997), <i>Am. J. Path.</i> , 151(5):1407-1416
	Asahara, T. et al. (1997), <i>Science</i> , 275:964-967
	Takahashi, T. et al. (1999), <i>Nat. Med.</i> , 5:434-438
	Kennedy, M. et al. (1997), <i>Nature</i> , 386:488-493
	Choi, K. et al. (1998), <i>Development</i> , 125:725-732
	Elefanty, A.G. et al. (1997), <i>Blood</i> , 90:1435-1447
	Shi, Q. et al. (1998), <i>Blood</i> , 92:362-367
	Lin, Y. et al. (2000), <i>J. Clin. Invest.</i> , 105:71-77
/BEB/	Tavian, M. et al. (1996), <i>Blood</i> , 87:67-72

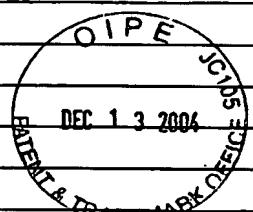
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Applicant: Silviu Itescu
 U.S. Serial No.: 10/693,480
 Filed: October 23, 2004
 Exhibit A

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 0575/66602-B JPW/BJA	Serial No. 10/138,730 10/693,480	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicant: Silviu Itescu		
				Filing Date: October 23, 2004	Group Art Unit 1647	
U.S. PATENT DOCUMENTS						
Examiner Initial	Document Number	Date	Name	Class	Subclass	
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FOREIGN PATENT DOCUMENTS						
	Document Number	Date	Country	Class	Subclass	Translation
						Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
/BEB/	Jaffredo, T. et al. (1998), <i>Development</i> , 125:4575-4583					
/BEB/	Labastie, M.C. et al. (1998), <i>Blood</i> , 92:3624-3635					
/BEB/	Peichev, M. et al. (2000), <i>Blood</i> , 95:952-958					
/BEB/	Tsai, F.Y. et al. (1994), <i>Nature</i> , 371:221-225					
/BEB/	Asahara, T. et al. (1999), <i>Circulation Research</i> , 85:221-228					
/BEB/	Bhattacharya, et al. (2000), <i>J. Vasc. Surgery</i> , 32:116-123					
/BEB/	Dale, et al. (1993), <i>Blood</i> , 81:2496-2502					
/BEB/	De Revel, et al. (1994), <i>Blood</i> , 83(12):3795-3799					
/BEB/	Molineaux, et al. (1990), <i>Blood</i> , 76:2153-2158					
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Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Application Number	10/693,480
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Filing Date	October 23, 2003
		First Named Inventor	Silviu Itescu
		Art Unit	1647
		Examiner Name	B. Bunner
		Attorney Docket No.	66602-B/JPW/BJA

U.S. PATENT DOCUMENTS

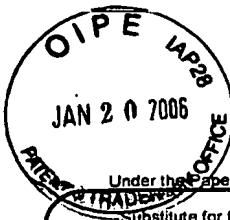


FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	Foreign Patent Document Country Code ² Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
/BEB/	3	WO 99/37779 -	07-29-1999	Genentech Inc.	
/BEB/	4	WO 99/43839	09-02-1999	The Trustees of the University of Pennsylvania	
/BEB/	5	WO 98/54210 -	12-03-1998	Board of Regents	
/BEB/	6	WO 99/65507 -	12-23-1999	The General Hospital Corporation	
/BEB/	7	EP 0897980 A2	02-24-1999	Smithkline Beecham Corp.	
/BEB/	8	WO 99/37751	07-29-1999	Imclone Systems Inc.	

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**Applicant: Silviu Itescu
U.S. Serial No.: 10/693,480
Filed: October 23, 2004
Exhibit A**



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Sheet 1 of 2

Complete if Known	
Application Number	10/693,480
Filing Date	October 23, 2003
First Named Inventor	Silviu Itescu
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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ² "Number ⁴ "Kind Code ⁵ (if known)			
/BEB/	1	WO 00/57922	10-10-2000	Korowski et al.	

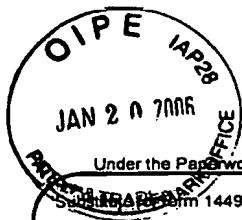
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**Applicant: Silviu Itescu
U.S. Serial No.: 10/693,480
Filed: October 23, 2003
Exhibit A**



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Sheet 2 of 2 Attorney Docket Number 0575/66602-B/JPW/BJA

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